

ANNOTATED SHEET**Fig. 3**

e3-2-2	(SEQ ID NO: 16)	LDTTNVSGPMSS
e3-2-3	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-4	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-5	(SEQ ID NO: 17)	SYRLPVYLHALL
e3-2-6	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-7	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-8	(SEQ ID NO: 18)	SDPNQDWRRTTP
e3-2-9	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-10	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-12	(SEQ ID NO: 19)	LPSQLLSQVNL
e3-2-13	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-14	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-15	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-16	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-17	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-18	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-19	(SEQ ID NO: 20)	LCANNTTSVHPP
e3-2-20	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-21	(SEQ ID NO: 21)	MQMEGKPTLTLR
e3-2-22	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-23	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-25	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-29	(SEQ ID NO: 22)	STLKNPINLLAN
e3-2-30	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-31	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-33	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-34	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-36	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-39	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-40	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-41	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-42	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-43	(SEQ ID NO: 23)	SCHVWYDSCSSP
e3-2-45	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-46	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-47	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-48	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-49	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-50	(SEQ ID NO: 22)	STLKNPINLLAN
e3-2-51	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-52	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-55	(SEQ ID NO: 24)	QDMIRTSALMLQ
e3-2-56	(SEQ ID NO: 3)	RKLPDAPGMHTW

ANNOTATED SHEET**Fig. 4**

e3-4-2	<u>(SEQ ID NO: 25)</u>	CTSPTSVD
e3-4-3	<u>(SEQ ID NO: 26)</u>	CTPSPHQGC
e3-4-4	<u>(SEQ ID NO: 27)</u>	CHTAPLPRC
e3-4-5	<u>(SEQ ID NO: 26)</u>	CTPSPHQGC
e3-4-6	<u>(SEQ ID NO: 28)</u>	CHGATPQNC
e3-4-7	<u>(SEQ ID NO: 29)</u>	CSGHNPTHC
e3-4-8	<u>(SEQ ID NO: 25)</u>	CTSPTSVD
e3-4-9	<u>(SEQ ID NO: 26)</u>	CTPSPHQGC
e3-4-11	<u>(SEQ ID NO: 30)</u>	CPMWQAQQC
e3-4-12	<u>(SEQ ID NO: 31)</u>	CGVYSMSHC
e3-4-13	<u>(SEQ ID NO: 32)</u>	CDMLTPRSC
e3-4-15	<u>(SEQ ID NO: 25)</u>	CTSPTSVD
e3-4-16	<u>(SEQ ID NO: 33)</u>	CLRLQSQDC
e3-4-17	<u>(SEQ ID NO: 34)</u>	CQITWHHTC
e3-4-19	<u>(SEQ ID NO: 26)</u>	CTPSPHQGC
e3-4-21	<u>(SEQ ID NO: 35)</u>	CSAHHHDKC
e3-4-22	<u>(SEQ ID NO: 26)</u>	CTPSPHQGC
e3-4-23	<u>(SEQ ID NO: 36)</u>	CMTKNPLNC
e3-4-24	<u>(SEQ ID NO: 26)</u>	CTPSPHQGC
e3-4-25	<u>(SEQ ID NO: 26)</u>	CTPSPHQGC
e3-4-26	<u>(SEQ ID NO: 26)</u>	CTPSPHQGC
e3-4-27	<u>(SEQ ID NO: 25)</u>	CTSPTSVD
e3-4-28	<u>(SEQ ID NO: 36)</u>	CMTKNPLNC
e3-4-29	<u>(SEQ ID NO: 37)</u>	CKTSLPTTC
e3-4-30	<u>(SEQ ID NO: 38)</u>	CVSTYWKTC
e3-4-31	<u>(SEQ ID NO: 25)</u>	CTSPTSVD
e3-4-32	<u>(SEQ ID NO: 25)</u>	CTSPTSVD

ANNOTATED SHEET**Fig. 8**

R1A (SEQ ID NO: 4):	AGGCAGCTTCGCAGAGTGAGAATAG
K2A (SEQ ID NO: 5):	CATCAGGCAGCGCCCGAGAGTGAG
L3A (SEQ ID NO: 6):	GGAGCATCAGGCGCCTTCCGAGAG
P4A (SEQ ID NO: 7):	CCGGGAGCATCAGCCAGCTTCCGAG
D5A (SEQ ID NO: 8):	ATCCCGGGAGCAGCAGGCAGCTTC
P7A (SEQ ID NO: 9):	GTATGCATCCCGGCAGCATCAGGCA
G8A (SEQ ID NO: 10):	AGTATGCATCGCGGGAGCATCAGG
M9A (SEQ ID NO: 11):	CCCCAAGTATGCGCCCCGGGAGCATC
H10A (SEQ ID NO: 12):	TCCACCCCAAGTAGCCATCCCGGGA
T11A (SEQ ID NO: 13):	TCCACCCCAAGCATGCATCCCGG
W12A (SEQ ID NO: 14):	AACCTCCACCCGCAGTATGCATC
Δ7-12F (SEQ ID NO: 51):	GGAGGATCCGCCGAAACTGTTGAAAGTTG
Δ7-12R (SEQ ID NO: 52):	GGGGGATCCTCCACCAGCATCAGGCAGCTTCCGAG
K2AΔ7 -12R (SEQ ID NO: 53):	GGGGGATCCTCCACCAGCATCAGGCAGCGCCCGAG
Ala insert (SEQ ID NO: 54):	AGCATCAGGCAGCTTCCGTGCAGAGTGAGAATAGAAAGG